

Appendix B: Test Results of Radiated Emissions & Mains Conducted Emission Test

Band Edges, 2.31GHz ~ 2.9GHz

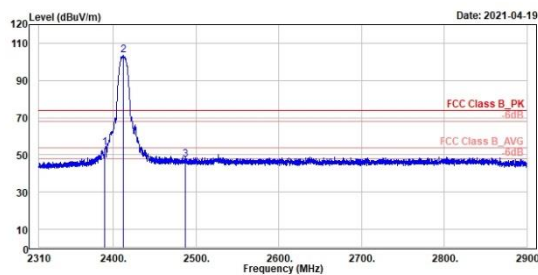
802.11b

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



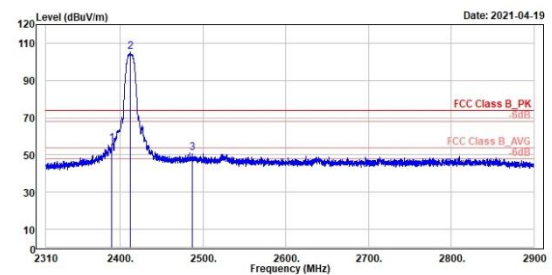
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2398.00	53.67	16.37	37.30	74.00	-20.33	114	61	Peak	Horizontal		
2 *	2412.00	105.00	66.45	37.35	74.00	29.00	140	61	Peak	Horizontal		
3	2487.20	47.40	9.66	37.74	74.00	-26.60	114	61	Peak	Horizontal		



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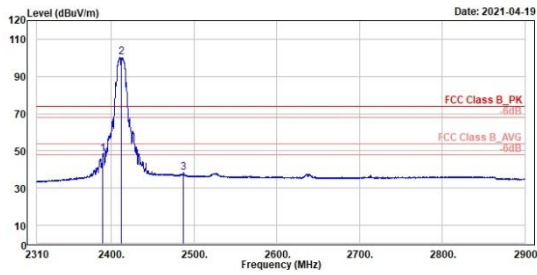
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2398.05	55.93	18.63	37.30	74.00	-18.07	282	113	Peak	Vertical		
2 *	2412.00	105.35	68.00	37.35	74.00	31.35	282	113	Peak	Vertical		
3	2487.20	51.11	13.37	37.74	74.00	-22.89	282	113	Peak	Vertical		

802.11b

Low Channel (Horizontal) Average



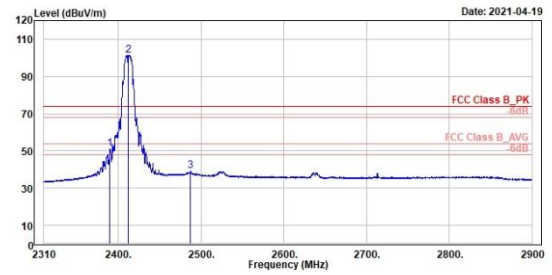
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	2398.00	48.42	11.12	37.30	54.00	-5.58	114	61	Average	Horizontal	
2	2412.00	100.21	62.86	37.35	54.00	46.21	140	61	Average	Horizontal	
3	2487.20	38.20	0.46	37.74	54.00	-15.80	114	61	Average	Horizontal	



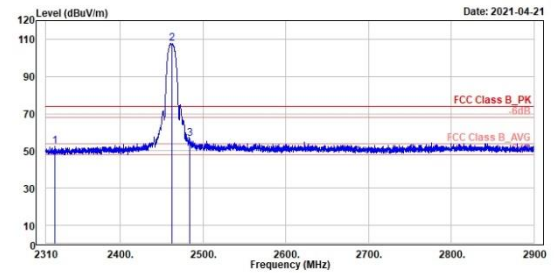
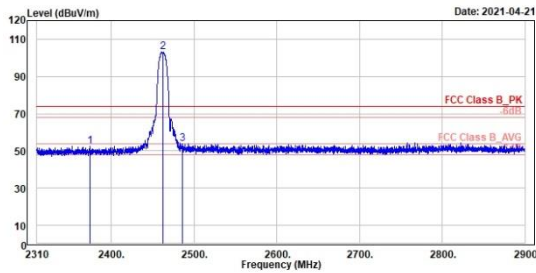
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	2389.85	51.31	14.01	37.30	54.00	-2.69	282	113	Average	Vertical	
2	2412.00	101.47	64.12	37.35	54.00	47.47	282	113	Average	Vertical	
3	2487.20	39.05	1.31	37.74	54.00	-14.95	282	113	Average	Vertical	

802.11b

High Channel (Horizontal) Peak

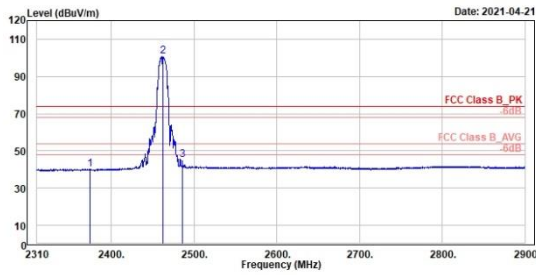


802.11b

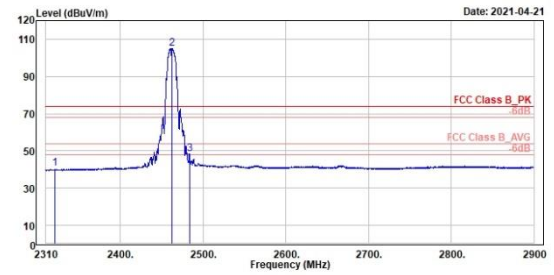
High Channel (Horizontal) Average



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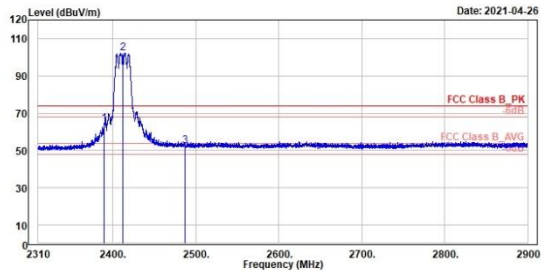


802.11g

Low Channel (Horizontal) Peak



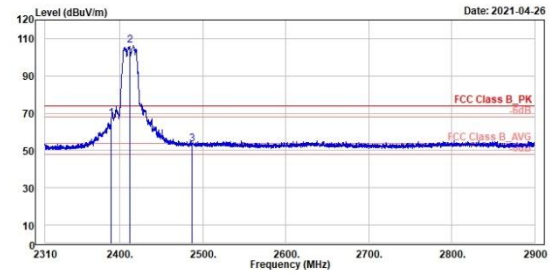
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.98	64.27	26.97	37.30	74.00	-9.73	284	0	Peak	Horizontal		
2 *	2412.00	102.26	64.91	37.35	74.00	28.26	101	0	Peak	Horizontal		
3	2487.39	52.64	14.90	37.74	74.00	-21.36	101	0	Peak	Horizontal		



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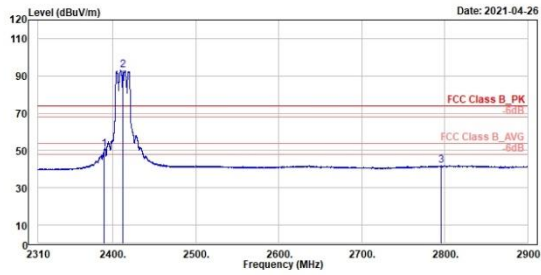
Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.98	67.12	29.82	37.30	74.00	-6.88	285	125	Peak	Vertical		
2 *	2412.00	106.49	69.14	37.35	74.00	32.49	285	75	Peak	Vertical		
3	2487.39	53.36	15.62	37.74	74.00	-20.64	285	75	Peak	Vertical		

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Low Channel (Horizontal) Average



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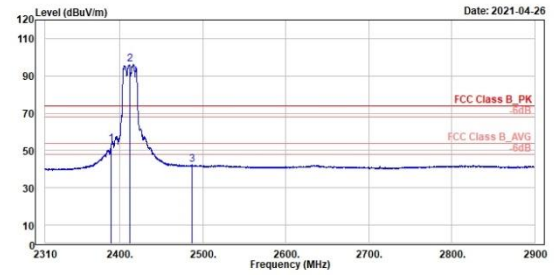


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 2389.98	50.70	13.40	37.30	54.00	-3.30	284	0	Average	Horizontal		
2 * 2412.00	93.13	55.78	37.35	54.00	39.13	181	0	Average	Horizontal		
3 2796.35	41.93	3.77	38.16	54.00	-12.07	181	0	Average	Horizontal		

Low Channel (Vertical) Average



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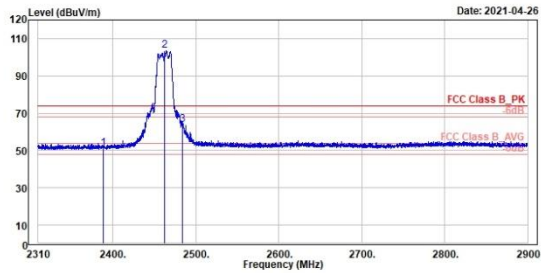
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 2389.98	53.38	16.08	37.30	54.00	-0.62	285	125	Average	Vertical		
2 * 2412.00	96.27	58.92	37.35	54.00	42.27	285	75	Average	Vertical		
3 2487.39	42.24	4.50	37.74	54.00	-11.76	285	75	Average	Vertical		

802.11g

High Channel (Horizontal) Peak



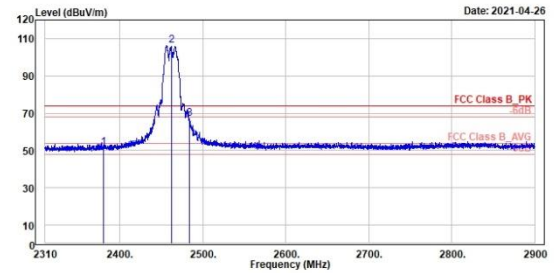
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2388.45	51.12	13.82	37.30	74.00	-22.88	245	359	Peak	Horizontal	
2 *	2462.00	103.50	65.94	37.56	74.00	29.50	245	359	Peak	Horizontal	
3	2483.50	63.81	26.10	37.71	74.00	-10.19	226	68	Peak	Horizontal	



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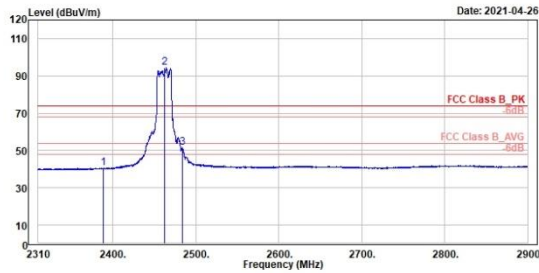
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MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2388.00	51.68	14.39	37.29	74.00	-22.32	273	71	Peak	Vertical	
2 *	2462.00	106.40	68.84	37.56	74.00	32.40	273	71	Peak	Vertical	
3	2483.50	67.08	29.37	37.71	74.00	-6.92	273	82	Peak	Vertical	

802.11g

High Channel (Horizontal) Average



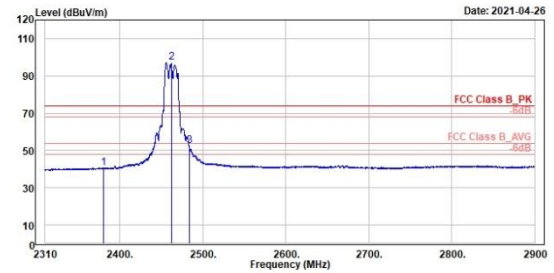
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2388.45	40.55	3.25	37.30	54.00	-13.45	245	359	Average	Horizontal	
2 *	2462.00	94.29	56.73	37.56	54.00	40.29	245	359	Average	Horizontal	
3 !	2483.50	51.39	13.68	37.71	54.00	-2.61	226	68	Average	Horizontal	



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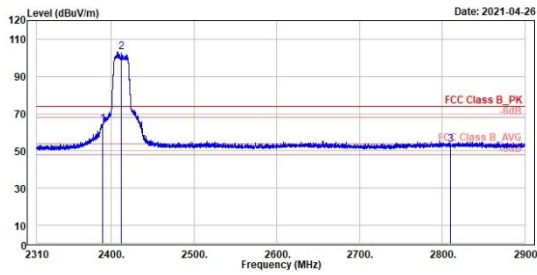
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2388.00	40.75	3.46	37.29	54.00	-13.25	273	71	Average	Vertical	
2 *	2462.00	96.99	59.43	37.56	54.00	42.99	273	71	Average	Vertical	
3 !	2483.50	52.61	14.90	37.71	54.00	-1.39	273	82	Average	Vertical	

802.11n HT20

Low Channel (Horizontal) Peak



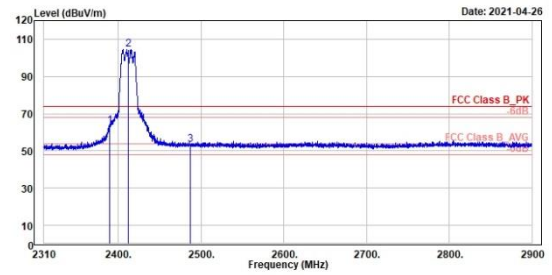
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.98	64.29	26.99	37.30	74.00	-9.71	318	324	Peak	Horizontal	
2 *	2412.00	103.00	65.74	37.35	74.00	29.00	125	340	Peak	Horizontal	
3	2810.48	53.19	15.00	38.19	74.00	-20.81	125	340	Peak	Horizontal	



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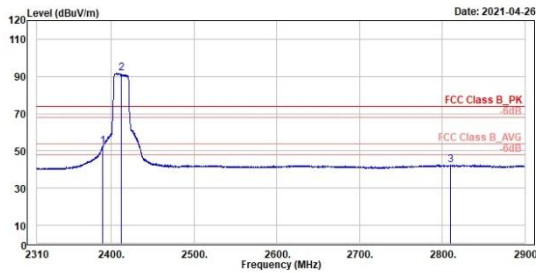
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.63	63.44	26.14	37.30	74.00	-10.56	339	70	Peak	Vertical	
2 *	2412.00	104.53	67.18	37.35	74.00	30.53	382	72	Peak	Vertical	
3	2487.51	53.28	15.53	37.75	74.00	-20.72	382	72	Peak	Vertical	

802.11n HT20

Low Channel (Horizontal) Average



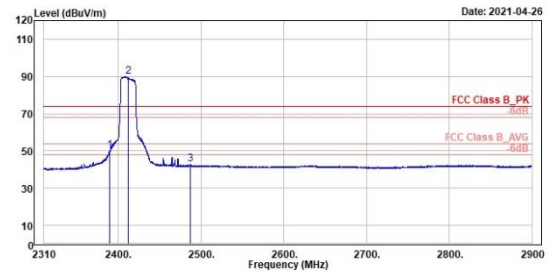
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 2389.98	52.43	15.13	37.30	54.00	-1.57	318	324	Average	Horizontal		
2 * 2412.00	91.90	54.55	37.35	54.00	37.90	125	340	Average	Horizontal		
3 2810.48	42.47	4.28	38.19	54.00	-11.53	125	340	Average	Horizontal		



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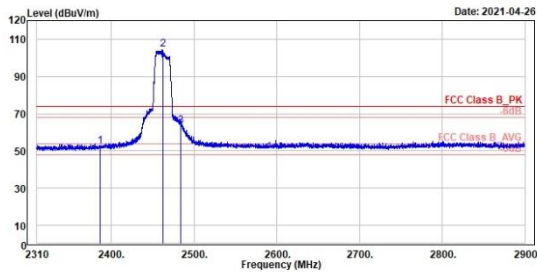
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 2389.86	50.06	12.76	37.30	54.00	-3.94	339	70	Average	Vertical		
2 * 2412.00	89.67	52.52	37.35	54.00	35.67	382	72	Average	Vertical		
3 2487.51	42.81	5.06	37.75	54.00	-11.19	382	72	Average	Vertical		

802.11n HT20

High Channel (Horizontal) Peak



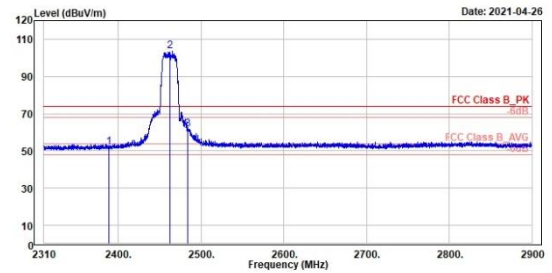
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2386.56	52.51	15.21	37.30	74.00	-21.49	186	331 Peak	Horizontal		
2 *	2462.00	104.29	66.73	37.56	74.00	30.29	188	332 Peak	Horizontal		
3	2483.62	63.38	25.67	37.71	74.00	-10.62	188	332 Peak	Horizontal		



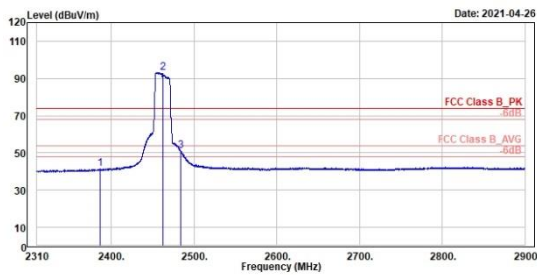
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2388.00	52.14	14.04	37.30	74.00	-21.86	348	253 Peak	Vertical		
2 *	2462.00	103.38	65.82	37.56	74.00	29.38	348	253 Peak	Vertical		
3	2483.62	61.74	24.03	37.71	74.00	-12.26	284	91 Peak	Vertical		

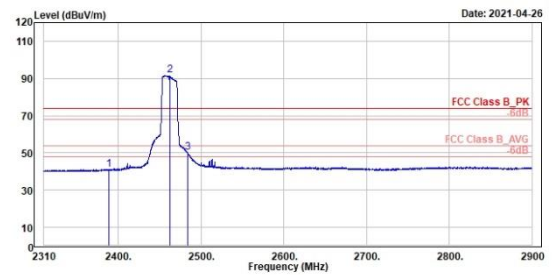
802.11n HT20

High Channel (Horizontal) Average



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2386.56	41.32	4.02	37.30	54.00	-12.68	186	331	Average	Horizontal	
2 *	2462.00	93.24	55.68	37.56	54.00	39.24	188	332	Average	Horizontal	
3 †	2483.62	50.91	13.20	37.71	54.00	-3.09	188	332	Average	Horizontal	

High Channel (Vertical) Average



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2386.56	41.17	3.87	37.30	54.00	-12.83	348	253	Average	Vertical	
2 *	2462.00	91.57	54.01	37.56	54.00	37.57	348	253	Average	Vertical	
3 †	2483.62	49.97	12.26	37.71	54.00	-4.03	284	91	Average	Vertical	

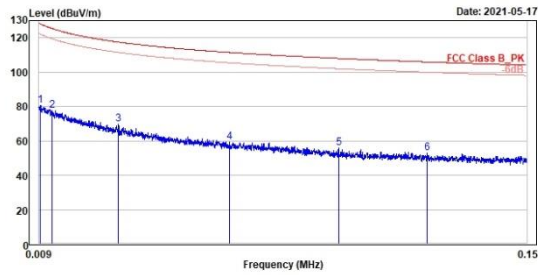
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

802.11g

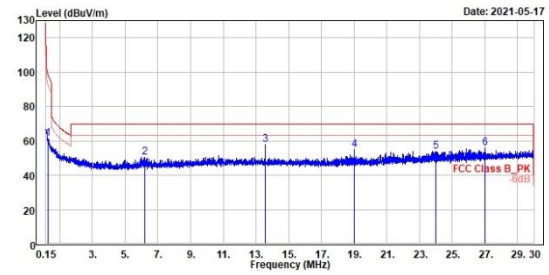
Low Channel (open) 9kHz~150kHz



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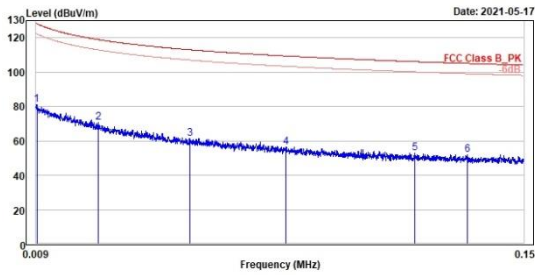


802.11g

Low Channel (Close) 9kHz~150kHz



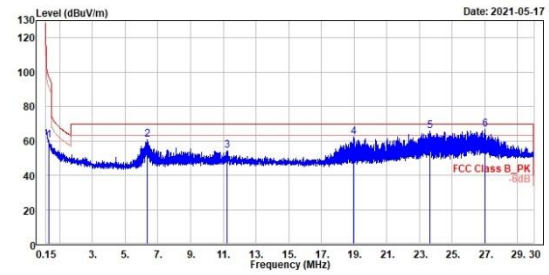
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	81.21	3.68	77.53	128.26	-47.05	100	233 QP	Close		
2	0.03	70.70	0.78	69.92	118.57	-48.27	100	301 QP	Close		
3	0.05	61.38	-1.96	63.34	113.01	-51.63	100	213 QP	Close		
4	0.08	56.39	-3.30	59.69	109.40	-53.01	100	231 QP	Close		
5	0.12	52.96	-3.46	56.42	106.12	-53.16	100	5 QP	Close		
6	0.13	51.99	-3.78	55.77	105.08	-53.09	100	260 QP	Close		



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.35	60.38	12.61	47.77	96.80	-36.42	100	107 QP	Close		
2	6.36	60.93	24.06	36.87	69.50	-8.57	100	97 QP	Close		
3	11.21	54.40	16.19	38.21	69.50	-15.10	100	256 QP	Close		
4	18.98	62.03	24.36	37.67	69.50	-7.47	100	313 QP	Close		
5	23.64	65.88	26.56	39.32	69.50	-3.62	100	204 QP	Close		
6	27.01	66.79	25.86	40.93	69.50	-2.71	100	113 QP	Close		

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

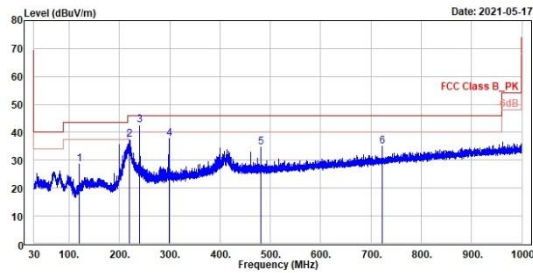
802.11g

Low Channel (Horizontal)

Low Channel (Vertical)



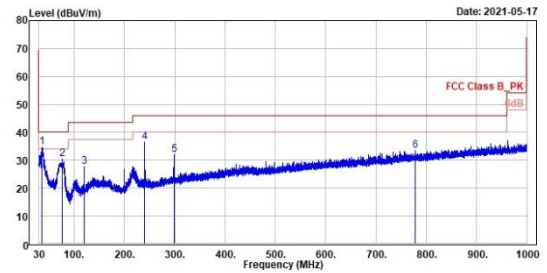
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	120.31	28.66	36.96	-8.30	43.50	-14.84	300	220	QP	Horizontal		
2	219.73	37.35	45.22	-7.87	46.00	-8.65	100	300	QP	Horizontal		
3	240.68	42.66	49.30	-6.64	46.00	-3.34	130	279	QP	Horizontal		
4	298.30	37.69	42.29	-4.60	46.00	-8.31	201	0	QP	Horizontal		
5	481.24	34.77	36.46	-1.69	46.00	-11.23	100	40	QP	Horizontal		
6	721.90	34.85	32.89	1.96	46.00	-11.15	400	22	QP	Horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	36.31	34.61	41.51	-6.90	40.00	-5.39	100	153	QP	Vertical		
2	76.95	30.38	40.10	-9.72	40.00	-9.62	100	233	QP	Vertical		
3	120.31	27.69	35.99	-8.30	43.50	-15.81	100	193	QP	Vertical		
4	240.68	36.38	43.02	-6.64	46.00	-9.62	200	138	QP	Vertical		
5	298.30	32.01	36.61	-4.60	46.00	-13.99	100	280	QP	Vertical		
6	778.45	33.35	30.21	3.14	46.00	-12.65	101	0	QP	Vertical		

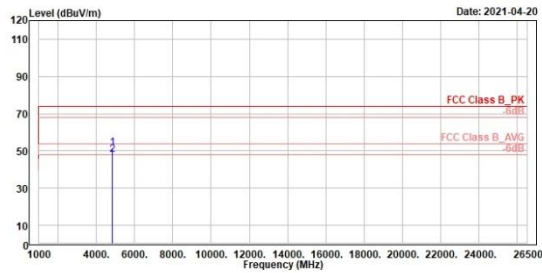
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

802.11b

Low Channel (Horizontal)



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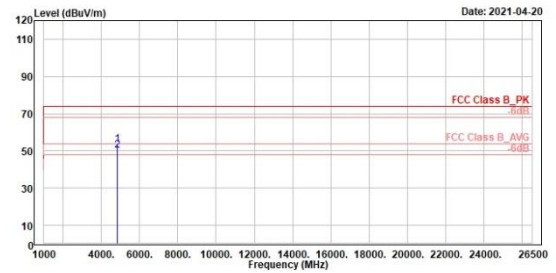


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4824.00	51.74	61.10	-9.36	74.00	-22.26	235	350	Peak	horizontal	
2	4824.00	46.10	57.46	-9.36	54.00	-5.90	235	350	Average	horizontal	

Low Channel (Vertical)



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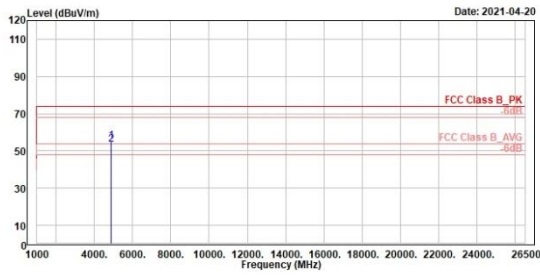
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4824.00	53.37	62.73	-9.36	74.00	-20.63	232	82	Peak	vertical	
2	4824.00	50.16	59.52	-9.36	54.00	-3.84	232	82	Average	vertical	

802.11b

Middle Channel (Horizontal)



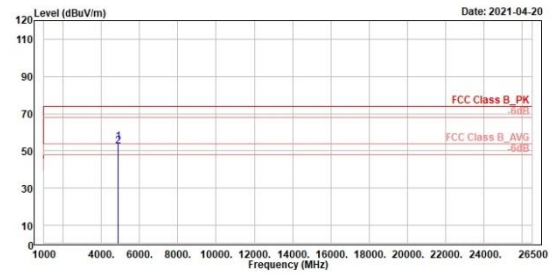
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	4874.00	55.11	64.45	-9.34	74.00	-18.89	274			9 Peak	horizontal	
2	4874.00	53.20	62.54	-9.34	54.00	-0.80	274			9 Average	horizontal	



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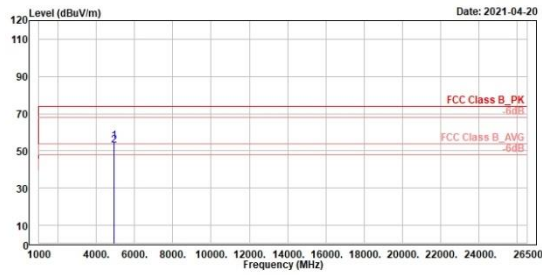
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	4874.00	54.53	63.87	-9.34	74.00	-19.47	189			65 Peak	vertical	
2	4874.00	52.51	61.85	-9.34	54.00	-1.49	189			65 Average	vertical	

802.11b

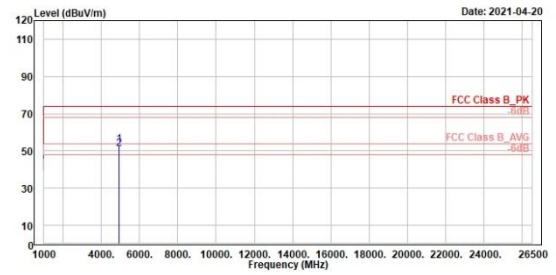
High Channel (Horizontal)



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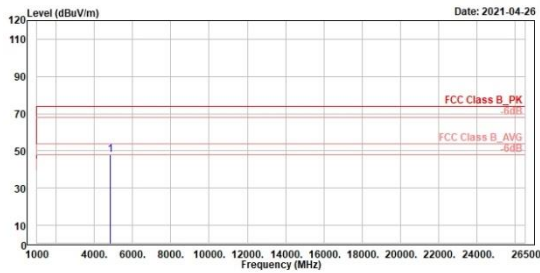
802.11g

Low Channel (Horizontal)

Low Channel (Vertical)



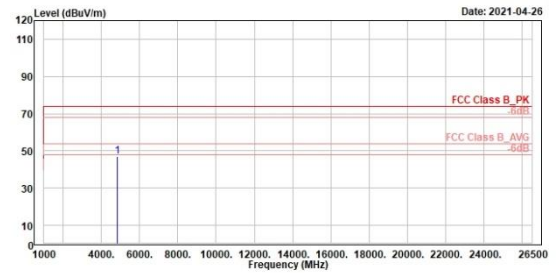
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4824.00	47.71	57.07	-9.36	74.00	-26.29	400	360	Peak	Horizontal	



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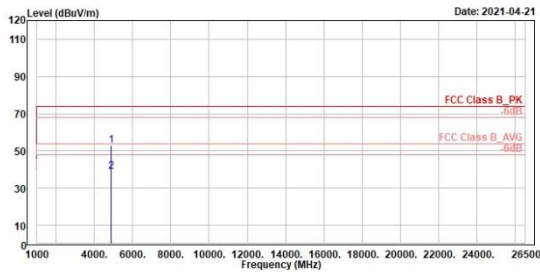
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4824.00	46.95	56.31	-9.36	74.00	-27.05	300	106	Peak	Vertical	

802.11g

Middle Channel (Horizontal)



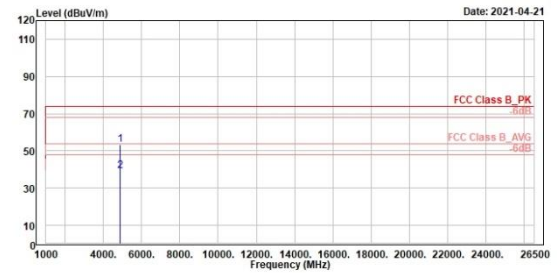
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4874.00	53.03	62.37	-9.34	74.00	-20.97	258			S Peak	horizontal	
2	4874.00	38.72	48.06	-9.34	54.00	-15.28	258			S Average	horizontal	



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4874.00	53.22	62.56	-9.34	74.00	-20.78	246			314 Peak	vertical	
2	4874.00	39.43	48.77	-9.34	54.00	-14.57	246			314 Average	vertical	

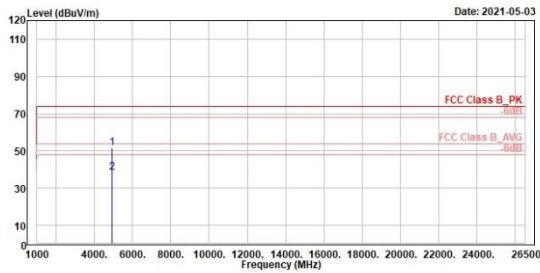
802.11g

High Channel (Horizontal)

High Channel (Vertical)



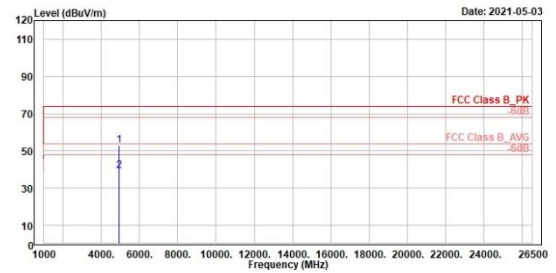
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4924.00	51.71	61.03	-9.32	74.00	-22.29	317	3	Peak	Horizontal		
2	4924.00	36.44	47.76	-9.32	54.00	-15.56	317	3	Average	Horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4924.00	53.07	62.39	-9.32	74.00	-20.93	100	194	Peak	Vertical		
2	4924.00	39.03	48.35	-9.32	54.00	-14.97	100	194	Average	Vertical		

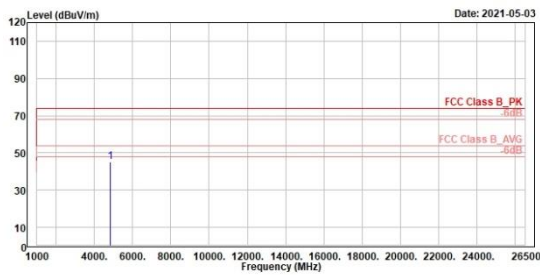
802.11n HT20

Low Channel (Horizontal)

Low Channel (Vertical)



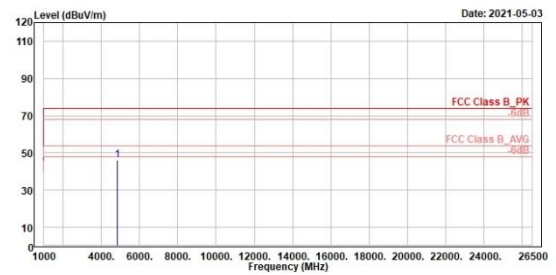
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4824.00	45.03	54.39	-9.36	74.00	-28.97	400	360	Peak	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4824.00	45.97	55.33	-9.36	74.00	-28.03	162	360	Peak	Vertical	

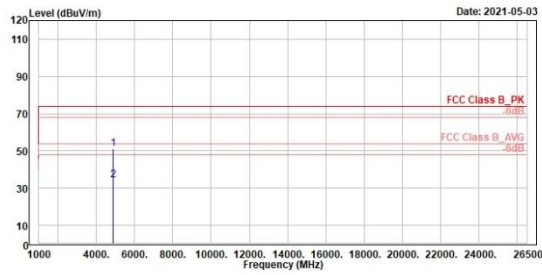
802.11n HT20

Middle Channel (Horizontal)

Middle Channel (Vertical)



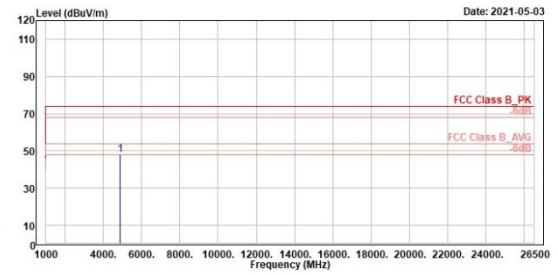
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4874.00	50.88	68.22	-9.34	74.00	-23.12	322	166	Peak	Horizontal	
2	4874.00	34.01	43.35	-9.34	54.00	-19.99	322	166	Average	Horizontal	



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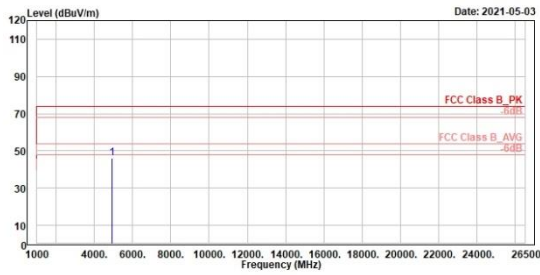
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4874.00	47.95	57.29	-9.34	74.00	-26.05	100	36	Peak	Vertical	

802.11n HT20

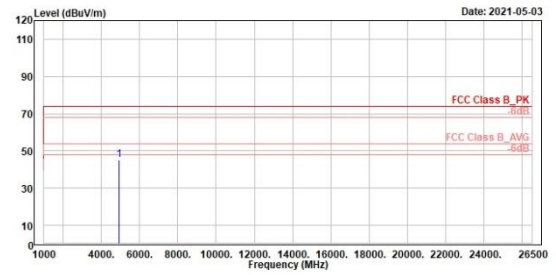
High Channel (Horizontal)



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Mains Conducted Emission, 150kHz ~ 30MHz

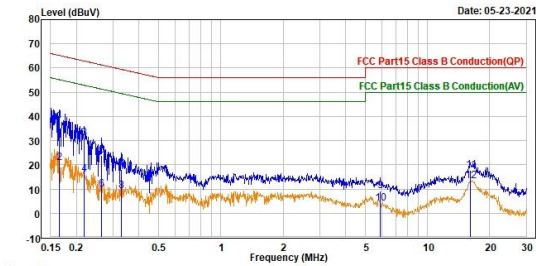
Worst Band

(Line)

(Neutral)



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